

Americans love dairy milk for its taste, nutrition, and affordability

Topline Findings

Washington, DC, February 21, 2019 -

Questions 1-3 were open ended questions. The percentage represents the proportion of responses that included the topics reported. Because of this, some answers may have been included in multiple categories.

1. In your own words, what comes to mind when you think of milk? Please be as specific as possible.

	Total (n = 2,010)
Milk varieties	42%
Good health	26
Food and drink	24
Color or consistency	17
Positive appeal	12
Versatile	10
Positive taste or flavor	8
Unhealthy or dietary restrictions	7
Inhumane or additives	2
Other	12
Nothing	1
Don't know	2

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2. Still thinking about milk, what products come to mind when you think of milk? Please be as specific as possible.

	Total
Food	57%
Cheese	39
Dairy milk varieties	24
Nutrients, vitamins, or ingredients	18
Cream	13
Flavored or other milk varieties	8
Brand	8
Plant-based milk varieties	7
Animals	4
Nothing	2
Don't know	4

3. Now we'd like you to think about nutrition, what does nutrition mean to you? Please be as specific as possible.

	Total
Health	70%
Ingredients, vitamins, or nutrients	21
Diet	4
Negative sentiment	1
Other	24
Nothing	2
Don't know	4

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Below are some images of products. For each image, please indicate whether you associate it with dairy milk or not.
a. Associate Summary

	Total
Great Value Milk	96%
T.G. Lee Milk	95%
Horizon Organic Milk	92%
Left Field Farms Milk	93%
Nesquik Chocolate Milk	85%
Lactaid Milk	61%
Wallaby Organic	56%
Starbucks Frappuccino	46%
Lifeway Milk Smoothie	38%
Bolthouse Farms Plant Milk	32%
Blue Diamond Almond Breeze	21%
Silk Chocolate Soy Milk	21%
Silk Nut Milk	21%
Califia Almond Milk	18%
Living Harvest Hemp Milk	16%
SO Coconut Milk	16%
Ripple	14%
Rice Dream Rice Drink	13%

b. Blue Diamond Almond Breeze

	Total
Associate with dairy milk	21%
Do not associate with dairy milk	79

c. Bolthouse Farms Plant Milk

	Total
Associate with dairy milk	32%
Do not associate with dairy milk	68

d. Califia Almond Milk

	Total
Associate with dairy milk	18%
Do not associate with dairy milk	82



e. Great Value Milk

	Total
Associate with dairy milk	96%
Do not associate with dairy milk	4

f. Horizon Organic Milk

	Total
Associate with dairy milk	92%
Do not associate with dairy milk	8

g. Lactaid Milk

	Total
Associate with dairy milk	61%
Do not associate with dairy milk	39

h. Left Field Farms Milk

	Total
Associate with dairy milk	93%
Do not associate with dairy milk	7

i. Lifeway Milk Smoothie

	Total
Associate with dairy milk	38%
Do not associate with dairy milk	62

j. Living Harvest Hemp Milk

	Total
Associate with dairy milk	16%
Do not associate with dairy milk	84

k. Nesquik Chocolate Milk

	Total
Associate with dairy milk	85%
Do not associate with dairy milk	15



I. Rice Dream Rice Drink

	Total
Associate with dairy milk	13%
Do not associate with dairy milk	87

m. Ripple

	Total
Associate with dairy milk	14%
Do not associate with dairy milk	86

n. Silk Chocolate Soy milk

	Total
Associate with dairy milk	21%
Do not associate with dairy milk	79

o. Silk Nut Milk

	Total
Associate with dairy milk	21%
Do not associate with dairy milk	79

p. SO Coconut Milk

	Total
Associate with dairy milk	16%
Do not associate with dairy milk	84

q. Starbucks Frapuccino

	Total
Associate with dairy milk	46%
Do not associate with dairy milk	54

r. T.G. Lee Milk

	Total
Associate with dairy milk	95%
Do not associate with dairy milk	5



s. Wallaby Organic

	Total
Associate with dairy milk	56%
Do not associate with dairy milk	44

5. Please indicate how frequently you purchase each of the following?

a. Ever Summary

	Total
2% (reduced fat)	71%
Whole	65%
1% (reduced fat)	57%
Skim (fat free)	54%
Almond	47%
Soy	29%
Coconut	29%
Cashew	23%
Rice	18%
Pea Milk	13%
Dairy Milk (Net)	92%
Plant-Based Dairy Milk (Net)	52%

b. Dairy Milk (Net)

	Total
Once a week or more often	48%
Once every 2 or 3 weeks	25
Once a month/every four weeks	9
Once every 2 or 3 months	4
Once every 4 to 6 months	2
Once or twice a year	2
Less often than once a year	2
Never	8
Ever	92%
Past year	90
Past 6 months	88



c. Plant-Based Dairy Milk (Net)

	Total
Once a week or more often	12%
Once every 2 or 3 weeks	11
Once a month/every four weeks	8
Once every 2 or 3 months	6
Once every 4 to 6 months	4
Once or twice a year	5
Less often than once a year 6	
Never	48
Ever	52%
Past year	46
Past 6 months	41

d. Skim (fat free)

	Total
Once a week or more often	17%
Once every 2 or 3 weeks	12
Once a month/every four weeks 7	
Once every 2 or 3 months	4
Once every 4 to 6 months	2
Once or twice a year	5
Less often than once a year	8
Never	46
Ever	54%
Past year	46
Past 6 months	41

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e. 1% (reduced fat)

	Total
Once a week or more often	11%
Once every 2 or 3 weeks	11
Once a month/every four weeks 7	
Once every 2 or 3 months	6
Once every 4 to 6 months	4
Once or twice a year	6
Less often than once a year	11
Never	43
Ever	57%
Past year	46
Past 6 months	39

f. 2% (reduced fat)

	Total
Once a week or more often	20%
Once every 2 or 3 weeks	15
Once a month/every four weeks	9
Once every 2 or 3 months	6
Once every 4 to 6 months	5
Once or twice a year	6
Less often than once a year	9
Never	29
Ever	71%
Past year	62
Past 6 months	56

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g. Whole

	Total
Once a week or more often	19%
Once every 2 or 3 weeks	13
Once a month/every four weeks	7
Once every 2 or 3 months	6
Once every 4 to 6 months	4
Once or twice a year	6
Less often than once a year	10
Never	35
Ever	65%
Past year	55
Past 6 months	49

h. Almond

	Total
Once a week or more often	8%
Once every 2 or 3 weeks	9
Once a month/every four weeks	8
Once every 2 or 3 months	6
Once every 4 to 6 months	4
Once or twice a year	5
Less often than once a year	7
Never	53
Ever	47%
Past year	41
Past 6 months	36

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i. Soy

	Total
Once a week or more often	3%
Once every 2 or 3 weeks	5
Once a month/every four weeks	4
Once every 2 or 3 months	3
Once every 4 to 6 months	3
Once or twice a year	4
Less often than once a year	6
Never	71
Ever	29%
Past year	23
Past 6 months	19

j. Coconut

	Total
Once a week or more often	3%
Once every 2 or 3 weeks	4
Once a month/every four weeks	5
Once every 2 or 3 months	5
Once every 4 to 6 months	2
Once or twice a year	4
Less often than once a year	5
Never	71
Ever	29%
Past year	23
Past 6 months	20

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k. Cashew

	Total
Once a week or more often	3%
Once every 2 or 3 weeks	3
Once a month/every four weeks	3
Once every 2 or 3 months	3
Once every 4 to 6 months	2
Once or twice a year	3
Less often than once a year	5
Never	77
Ever	23%
Past year	17
Past 6 months	14

I. Rice

	Total
Once a week or more often	2%
Once every 2 or 3 weeks	3
Once a month/every four weeks	3
Once every 2 or 3 months	2
Once every 4 to 6 months	1
Once or twice a year	2
Less often than once a year	5
Never	82
Ever	18%
Past year	13
Past 6 months	11

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m. Pea Milk

	Total
Once a week or more often	2%
Once every 2 or 3 weeks	2
Once a month/every four weeks	2
Once every 2 or 3 months	2
Once every 4 to 6 months	2
Once or twice a year	1
Less often than once a year	3
Never	87
Ever	13%
Past year	10
Past 6 months	9

6. And which of the following have you consumed in the past 6 months?

	Total
2% (reduced fat)	46%
1% (reduced fat)	25
Skim (fat free)	22
Whole	38
Almond	28
Coconut	12
Soy	10
Cashew	5
Rice	3
Pea Milk	2
Dairy Milk (Net)	89%
Plant-Based Dairy Milk (Net)	36

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Based on what you know or have heard, please select the statements that apply to each of the following types of milk.
a. Dairy Milk

	Total
It is a good source of calcium	75%
It tastes good	66
It is nutritious	65
It is healthy	64
It is a good source of vitamins and minerals	61
It is safe to consume	60
It is reasonably priced	53
It is a good source of protein	52
It is all natural	41
It contains the 9 essential vitamins and minerals	36
It has a limited number of ingredients	36
It comes from a sustainable food source	34
It contains no added sugar	33
It contains no artificial ingredients	30
It is produced in an environmentally responsible way	22
It contains no additives	21
Manufacturers are transparent about how the milk is produced	19
It is low in fat	18
It is low in calories	15
It contains artificial ingredients	11

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b. Plant-Based Milk

	Total
It is safe to consume	56
It is healthy	54
It is nutritious	48
It comes from a sustainable food source	46
It is low in fat	41
It is a good source of vitamins and minerals	40
It is low in calories	39
It is all natural	38
It is a good source of protein	37
It is produced in an environmentally responsible way	31
It tastes good	29
It has a limited number of ingredients	27
It is a good source of calcium	24
It contains the 9 essential vitamins and minerals	20
It contains artificial ingredients	20
It contains no added sugar	19
It contains no artificial ingredients	19
Manufacturers are transparent about how the milk is produced	18
It is reasonably priced	17
It contains no additives	17

8. Thinking about [Dairy Product], would you say that it contains the following [Type of Nutrition]?

a. Almond Milk

i. Protein

	Total
More than dairy milk	30%
About the same as dairy milk	48
Less than dairy milk	23

ii. Calories

	Total
More than dairy milk	14%
About the same as dairy milk	39
Less than dairy milk	47



iii. Fat

	Total
More than dairy milk	11%
About the same as dairy milk	30
Less than dairy milk	59

iv. Vitamins

	Total
More than dairy milk	22%
About the same as dairy milk	56
Less than dairy milk	22

v. Key nutrients such as calcium and potassium

	Total
More than dairy milk	17%
About the same as dairy milk	52
Less than dairy milk	32

vi. Sugar

	Total
More than dairy milk	27%
About the same as dairy milk	33
Less than dairy milk	40

b. Soy milk

i. Protein

	Total
More than dairy milk	24%
About the same as dairy milk	50
Less than dairy milk	25

ii. Calories

	Total
More than dairy milk	12%
About the same as dairy milk	40
Less than dairy milk	48



iii. Fat

	Total
More than dairy milk	9%
About the same as dairy milk	31
Less than dairy milk	60

iv. Vitamins

	Total
More than dairy milk	16%
About the same as dairy milk	57
Less than dairy milk	27

v. Key nutrients such as calcium and potassium

	Total
More than dairy milk	14%
About the same as dairy milk	52
Less than dairy milk	34

vi. Sugar

	Total
More than dairy milk	22%
About the same as dairy milk	36
Less than dairy milk	41

c. Coconut Milk

i. Protein

	Total
More than dairy milk	16%
About the same as dairy milk	46
Less than dairy milk	38

ii. Calories

	Total
More than dairy milk	21%
About the same as dairy milk	39
Less than dairy milk	40



iii. Fat

	Total
More than dairy milk	21%
About the same as dairy milk	33
Less than dairy milk	46

iv. Vitamins

	Total
More than dairy milk	16%
About the same as dairy milk	55
Less than dairy milk	29

v. Key nutrients such as calcium and potassium

	Total
More than dairy milk	15%
About the same as dairy milk	51
Less than dairy milk	34

vi. Sugar

	Total
More than dairy milk	33%
About the same as dairy milk	36
Less than dairy milk	32

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Which of the following are important in your decision to purchase dairy milk and/or plant-based milk?
a. Dairy Milk

	Total
Taste	65%
Price	53
Nutrition	50
Health	43
Satisfies entire family	41
Wide variety of uses	38
Safety of the product	34
Digestive benefits	19
Longer shelf life	17
Manufacturers are transparent about how the milk is produced	16
Animal welfare	14
Lactose-free	12
None of these	5

b. Plant-Based Milk

	Total
Health	37%
Nutrition	37
Taste	36
Price	30
Longer shelf life	29
Digestive benefits	28
Lactose-free	26
Safety of the product	23
Wide variety of uses	19
Manufacturers are transparent about how the milk is produced	16
Satisfies entire family	16
Animal welfare	16
None of these	24



10. Below are some reasons why a manufacturer would label a product "milk" even though the product may not contain dairy milk. Please select the reasons why you believe a manufacturer would label a product "milk" even though it does not contain dairy milk?

	Total
Nutrition is similar to dairy milk	53%
It tastes like diary milk	46
Quality is similar to dairy milk	43
Substitutable for cooking and baking	41
As safe as dairy milk	32
Priced similar to dairy milk	16

11. How much do you agree or disagree that plant-based milks have the same nutritional content as dairy milk products?

	Total
Strongly agree	13%
Somewhat agree	28
Neither agree or disagree	32
Somewhat disagree	17
Strongly disagree	9
Agree (Total)	41%
Disagree (Total)	26

- 12. Thinking about plant-based milk, how likely would you be to purchase each of the following? Even if you have not purchased plant-based milk products, we are still interested in your opinions.
 - a. More Inclined to Purchase Summary

	Total
Plant-based juice	27%
Plant-based drink	25%
Plant-based beverage	24%

b. Plant-based juice

	Total
More inclined to purchase	27%
Less inclined to purchase	38
Neither more or less inclined to purchase	35



c. Plant-based Beverage

	Total
More inclined to purchase	24%
Less inclined to purchase	40
Neither more or less inclined to purchase	36

d. Plant-based Drink

	Total
More inclined to purchase	25%
Less inclined to purchase	40
Neither more or less inclined to purchase	35

13. Dairy milk contains 9 essential nutrients and vitamins. Would you say that plant-based milk contains...?

	Total
More essential nutrients than milk	10%
The same number of essential nutrients as dairy milk	18
About 6 essential nutrients	8
About 3 essential nutrients	4
It depends on the source of plant-based milk	28
It depends on the brand of plant-based milk	5
Don't know	28

14. Now, I'd like to know how likely you would be to purchase vegan cheese if it were labeled as a "cultured nut product." Even if you do not purchase vegan cheese, we are still interested in your opinions.

	Total
Definitely would buy	8%
Probably would buy	11
Might or might not buy	20
Probably would not buy	23
Definitely would not buy	38
Would buy (Total)	19%
Would not buy (Total)	61

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15. How much do you agree or disagree that a beverage can be labeled as "orange juice" if it contains...a. Agree Summary

	Total
100% juice from oranges	89%
50% juice from oranges	49%
25% juice from oranges	30%
Less than 25% juice from oranges	19%
Orange flavored beverage containing fruit	17%

b. 100% juice from oranges

	Total
Strongly agree	78%
Somewhat agree	11
Neither agree or disagree	7
Somewhat disagree	2
Strongly disagree	1
Agree (Total)	89%
Disagree (Total)	4

c. 50% juice from oranges

	Total
Strongly agree	14%
Somewhat agree	36
Neither agree or disagree	22
Somewhat disagree	18
Strongly disagree	11
Agree (Total)	49%
Disagree (Total)	29

d. 25% juice from oranges

	Total
Strongly agree	7%
Somewhat agree	22
Neither agree or disagree	21
Somewhat disagree	27
Strongly disagree	22
Agree (Total)	30%
Disagree (Total)	49

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	Total
Strongly agree	6%
Somewhat agree	14
Neither agree or disagree	20
Somewhat disagree	29
Strongly disagree	32
Agree (Total)	19%
Disagree (Total)	61

e. Less than 25% juice from oranges

f. Orange flavored beverage containing fruit

	Total
Strongly agree	7%
Somewhat agree	10
Neither agree or disagree	14
Somewhat disagree	22
Strongly disagree	47
Agree (Total)	17%
Disagree (Total)	69

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About the Study

These are findings from an Ipsos poll conducted August 10 - 14, 2018. For the survey, a sample of roughly 2,010 adults age 18+ from the continental U.S., Alaska and Hawaii were interviewed online in English.

The sample for this study was randomly drawn from Ipsos's online panel (see link below for more info on "Access Panels and Recruitment"), partner online panel sources, and "river" sampling (see link below for more info on the Ipsos "Ampario Overview" sample method) and does not rely on a population frame in the traditional sense. Ipsos uses fixed sample targets, unique to each study, in drawing sample. After a sample has been obtained from the Ipsos panel, Ipsos calibrates respondent characteristics to be representative of the U.S. Population using standard procedures such as raking-ratio adjustments. The source of these population targets is U.S. Census 2016 American Community Survey data. The sample drawn for this study reflects fixed sample targets on demographics. Post-hoc weights were made to the population characteristics on gender, age, race/ethnicity, region, and education.

Statistical margins of error are not applicable to online nonprobability sampling polls. All sample surveys and polls may be subject to other sources of error, including, but not limited to coverage error and measurement error. Where figures do not sum to 100, this is due to the effects of rounding. The precision of Ipsos online polls is measured using a credibility interval. In this case, the poll has a credibility interval of plus or minus 2.5 percentage points for all respondents. Ipsos calculates a design effect (DEFF) for each study based on the variation of the weights, following the formula of Kish (1965). This study had a credibility interval adjusted for design effect of the following (n=2,010, DEFF=1.5, adjusted Confidence Interval=4.0).

For more information about conducting research intended for public release or Ipsos' online polling methodology, please visit our <u>Public Opinion Polling and Communication</u> page where you can download our brochure, see our public release protocol, or contact us.

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